

DPM 5535-2

Material Safety Data Sheet

May be used to comply with
OSHA's Hazard Communication Standard,
29 CFR 1910.1200. Standard must be
consulted for specific requirements.

U.S. Department of Labor
Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072

REC'D NOV 19 1987



IDENTITY (As Used on Label and List)

(Rev. 1)
EA 934NA Part A

Note: Blank spaces are not permitted. If any item is not applicable, or no
information is available, the space must be marked to indicate that.

Section I

Manufacturer's Name Hyso! Aerospace & Industrial Products	Emergency Telephone Number (415) 687-4201
Address (Number, Street, City, State, and ZIP Code) 2850 Willow Pass Road	Telephone Number for Information (415) 687-4201 X362 X319
Pittsburg, CA 94565	Date Prepared 5/4/87
	Signature of Preparer (optional) Suzanne Franz

Section II — Hazardous Ingredients/Identity Information

NE=Not Established

NA=Not Available

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
4-Glycidyloxy-n,n-diglycidylaniline (CAS# 5026-74-4)	--	--	--	< 35
Silica (CAS# 7631-86-9)	20 mppcf	--	--	< 15
Aluminum powder (CAS# 7429-90-5)	--	5 mg/m ³	--	< 30

Section III — Physical/Chemical Characteristics

Boiling Point	Decomposes	Specific Gravity (H ₂ O = 1)	>1
Vapor Pressure (mm Hg.)	< 0.01mm	Melting Point	NA
Vapor Density (AIR = 1)	Nil	Evaporation Rate (Butyl Acetate = 1)	Nil

Solubility in Water
Nil

Appearance and Odor

Viscous grey paste with slight odor

Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used) >300°F NE	Flammable Limits NA	LEL --	UEL --
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Extinguishing Media

Dry chemical or Halon fire extinguisher, or water spray, foam or fog.

Special Fire Fighting Procedures

Use self-contained breathing apparatus when fighting fires in confined areas.

Unusual Fire and Explosion Hazards

Dense smoke and toxic gasses may be liberated.

Section V — Reactivity Data

Stability	Unstable		Conditions to Avoid
	Stable	X	

Incompatibility (Materials to Avoid)
Strong oxidizing agents, strong Lewis or mineral acids.

Hazardous Decomposition or Byproducts

CO, NO_x, aldehydes, acids and undetermined organics.

Hazardous Polymerization	May Occur	X	Conditions to Avoid
	Will Not Occur		Avoid mixing resin and curing agent in batches greater than 1 pound total. Do not heat mixed adhesive above 120 unless curing surfaces to be bonded. Failure to observe caution may result in excessive heat build-up with the release of toxic gasses.

Section VI — Health Hazard Data

Route(s) of Entry: Inhalation? yes Skin? yes Ingestion? yes

Health Hazards (Acute and Chronic)

May cause skin irritation and possible allergic reactions. Prolonged and repeated contact may cause sensitization which will result in allergic reactions.

Carcinogenicity: NTP? no IARC Monographs? no OSHA Regulated? no

Signs and Symptoms of Exposure
Skin rash, irritation

Medical Conditions
 Generally Aggravated by Exposure

NA

Emergency and First Aid Procedures

Flush skin and eye contact with plenty of water. Wash skin thoroughly with soap and water, rubbing alcohol or hand cleaner. Do not use solvents. Remove soiled clothing and wash before reuse. If irritation persists, see physician.

Section VII — Precautions for Safe Handling and Use

Steps to Be Taken in Case Material Is Released or Spilled

Wear protective clothing, gloves and safety glasses. Scrape up and transfer to metal container. Wipe up remaining residue with solvents, observing solvent flammability cautions.

Waste Disposal Method

Dispose of as hazardous waste according to DOT hazard class. If not regulated by DOT, dispose of as ORM-E.

Precautions to Be Taken in Handling and Storing

Keep cool in accordance with label instructions.

Other Precautions

Follow recommended curing schedule.

Section VIII — Control Measures

Respiratory Protection (Specify Type)

Not needed with good industrial ventilation

Ventilation	Local Exhaust	Recommended	Special	--
	Mechanical (General)	Recommended	Other	--

Protective Gloves

Impervious plastic or rubber

Eye Protection

Safety glasses or goggles

Other Protective Clothing or Equipment

As needed to protect skin and clothing

Work/Hygienic Practices

NA